



# Hallucinogen s





# Learning Objectives

- **Identify the different types of hallucinogens.**
- **Identify how hallucinogens effect the human body.**





# What are Hallucinogens?

- A class of drugs that cause the user to experience hallucinations and alter reality.
- Hallucinogens are also known as *psychedelic* drugs.
- Hallucinogens can be both natural or synthetic drugs.
- Hallucinogens include LSD, Mescaline and Psilocybin and are sometimes associated with *club drugs* and *raves*.





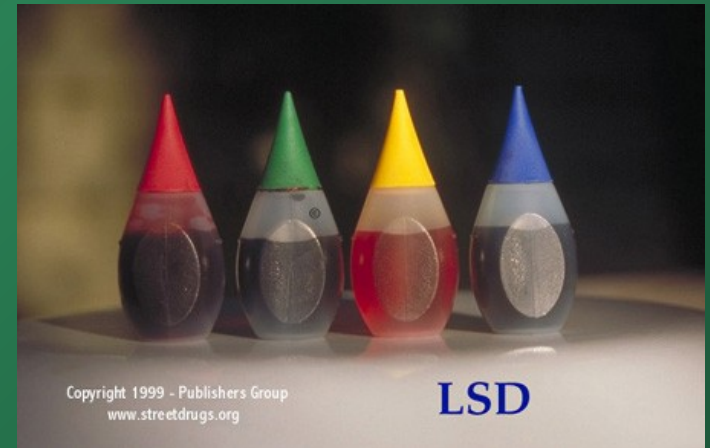
LSD





# What is LSD?

- LSD, or d-lysergic acid diethylamide, is a hallucinogenic derived from a parasitic fungus that grows on rye.
- LSD is produced as a crystal, then dissolved in alcohol prior to sale and consumption.
- LSD users describe their experience on the drug as a *trip*.







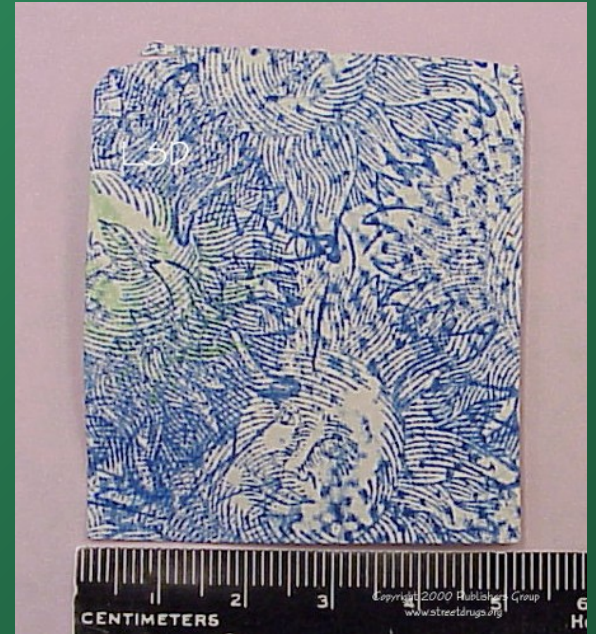
# History of LSD

**1938** - While researching blood stimulants, Albert Hoffman synthesizes LSD for the first time.

**1943** - Albert Hoffman accidentally consumes LSD becoming the first person to consume LSD.

**1949** - LSD, and its effects, are studied in Boston and Los Angeles.

**1951** - The CIA becomes aware of LSD and begins to experiment with the drug





# History of LSD

**1952** - The first study is published about treating depression with LSD

**1962** - The FDA restricts LSD research & the first LSD related arrests are made.

**1963** - LSD is found on the streets for the first time in the form of liquid on sugar cubes.

**1967** - Federal government bans LSD in the United States

**1970** - LSD is placed in Schedule 1 of the Controlled Substances

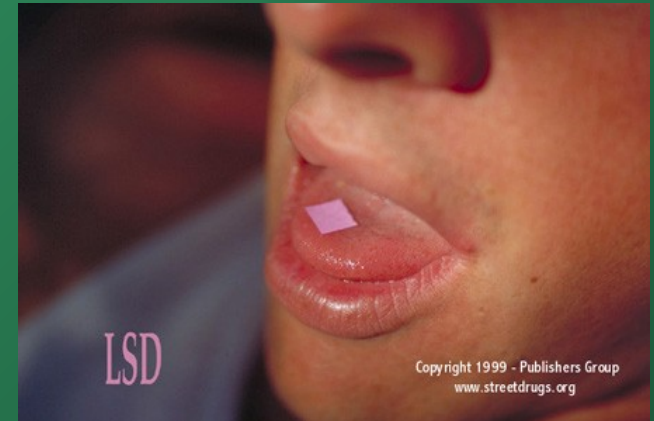




# How is LSD Consumed?

**LSD is generally taken orally in one of three ways:**

- **Pill form**
- **On a piece of blotter paper**
- **Via liquid dripped onto a sugar cube or directly on the users tongue.**
- **Following ingestion, the drug's effects can be felt for 4-8 hours.**







# LSD Testing in the Army

- LSD is difficult to test for in urine, even if testing occurs the day after ingestion.
- The Army tests for LSD on a rotational schedule.



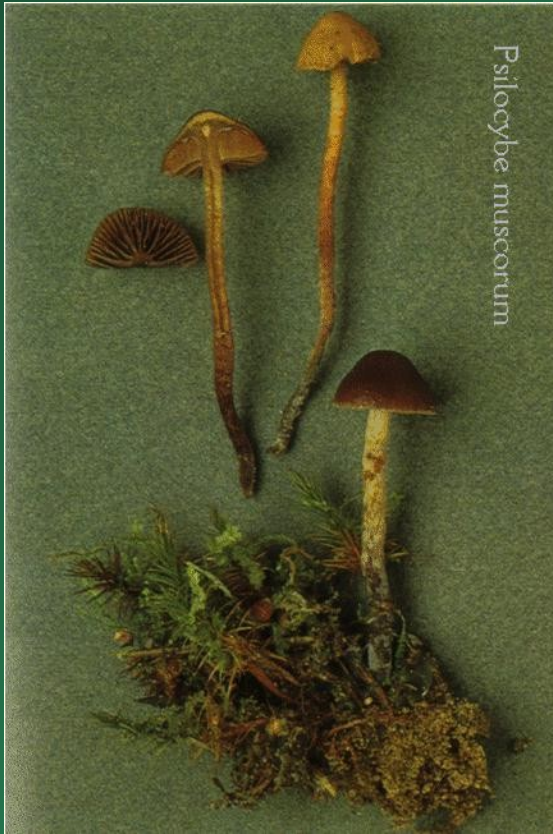


# Psilocybin





# What is Psilocybin?



- Psilocybin is a form of mushrooms that contain hallucinogenic properties.
- Also known as *magic mushrooms*, psilocybin is classified by the DEA as a Schedule 1 Controlled Substance.
- Hallucinogenic mushrooms have, historically, been used by several cultures during their religious rituals.





# How is Psilocybin Consumed?

- Eaten - While the mushrooms are usually dried prior to sale and/or consumption, they can be eaten raw or cooked like regular mushrooms.
- Drank - Heated with water to make a tea or a soup.
- Smoked - The mushroom is ground into a fine powder and often smoked on top of marijuana.





# Psilocybin Testing in the Army

- **Psilocybin is detectable for 1-2 days following ingestion.**
- **The Army does not test for psilocybin on a regular basis.**
- **Special procedures MUST be followed during a test for psilocybin.**
- **Contact your local ASAP for assistance and guidance for psilocybin testing.**







# Mescaline





# What is Mescaline?

- Mescaline is a psychedelic found in several species of cactus.
- Historically, the drug is dried and eaten in a ritual setting because of its hallucinogenic properties.
- Mescaline use was first witnessed in the 1800s where Native American tribes used mescaline during sacred ceremonies.
- In 1919 mescaline also became the first psychedelic





# What is Mescaline?

- Generally, mescaline is a small button shaped cactus 2"-5" in diameter.
- Mescaline is not readily available for recreational use because it takes up to fifteen years for a single dose to mature.
- Mescaline is a Schedule 1 substance in the United States.



*Lophophora williamsii* (Peyote)  
Photo by JeeLiX, © 2002 Erowid.org





# Mescaline Testing in the Army

- Mescaline is detectable for 1-2 days following ingestion.
- The Army does not test for mescaline on a regular basis.
- Contact your local ASAP for assistance and guidance for mescaline testing.





# Effects of Hallucinogen s







# Physical Effects of Hallucinogens

- Dilated Pupils
- Increase Body Temperature
- Increased Heart Rate
- Increased Blood Pressure
- Extreme Sweating
- Loss of Appetite
- Sleeplessness
- Dry Mouth
- Body Tremors
- Nausea
- Loss of Motor Skills
- Loss of Coordination
- Seizures





# Psychological Effects

- **Vivid hallucinations**
- **Loss of depth perception**
- **Sensation of floating**
- **Loss of thought process control**
- **Fusion of the senses**
- ***Bad Trips***
- **Distorted Perception of Time.**





# Hallucinogens and Flashbacks

- Flashbacks are a long term side effect of hallucinogens.
- Flashbacks are spontaneous, unpredictable recurrences of the effects of hallucinogens without ingestion of the drug.
- There are three types of flashbacks:
  - Emotional
  - Somatic
  - Perceptual





# Additional Information

**Additional information on PCP  
can be found by contacting the  
Army Substance Abuse Program  
or by visiting  
[www.acsap.army.mil](http://www.acsap.army.mil).**







# WARRIOR

- P**ersonal **Courage:** Possess the Personal Courage not to use drugs or abuse alcohol and to notify the Chain of Command of Soldiers that do.
- R**espect: Show your Respect to the Army, your unit, fellow Soldiers, and yourself by staying drug free and drinking responsibly.
- I**ntegrity: Stay true to the Army Values and Warrior Ethos by supporting the Army's drug and alcohol policies.
- D**uty: Do your duty as a Soldier and stay mentally and physically tough by not using drugs or abusing alcohol.
- E**xcellence: Exhibit honorable behavior on and off duty - don't be a substance abuser!